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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/669,987	09/23/2003	Tsung-Yung Hung	03201-URS	4230

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SUPREME PATENT SERVICES
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EXAMINER

KYLE, MICHAEL J

ART UNIT	PAPER NUMBER
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3676

DATE MAILED: 03/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<p>Office Action Summary</p>	Application No. 10/669,987	Applicant(s) HUNG, TSUNG-YUNG
	Examiner Michael J Kyle	Art Unit 3676

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Objections

1. Claims 1-4 are objected because claim 1 recites, “a first connecting pivot seat” in line 3 of the claim, and “a first connecting pivot seat” in line 7 of claim. It is unclear if the feature described by the second instances of this phrase is the same as the first one. As best understood by examiner, they are the same. Examiner suggests changing the second instance to --the-- or --said-- first connecting pivot seat. The recitations of “a horizontal pivot shaft” (lines 7-8, and 9) and “a second connecting pivot seat” (lines 9-10, and 13) are objected to for the same reason.
2. Claim 1 also recites, “the corresponding nuts”. There is no antecedent basis for this terminology.
3. Claims 2-4 depend from claim 1 and include all of the limitations thereof. For this reason, these claims are also objected to.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-4 are rejected under 35 U.S.C. 102(e) as being anticipated by Hsu (U.S. Patent No. 6,804,861). Hsu discloses a hinge comprising a vertical pivot shaft (3) mounted to a screen and a fist connecting pivot seat (4) through a plurality of springs (35) and corresponding nuts

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(34). The first connecting pivot seat is mounted to the vertical pivot shaft (3) and a horizontal pivot shaft (42, 5). The horizontal pivot shaft is mounted to the first connecting pivot seat and a second connecting pivot seat (6), and comprises an outer sleeve (5) and an inner pivot shaft (42). The second pivot seat is mounted to the horizontal pivot shaft (42, 5) and a master body (via 64).

6. With respect to claim 2, Hsu discloses the vertical pivot shaft (3) to have a plurality of screw holes (see figure 3).

7. With respect to claim 3, Hsu discloses the second connecting pivot seat to have a plurality of screw holes (64) and strengthening poles (63) respectively screwed onto and engaged with the master body. The second connecting pivot seat further has a side flange (flange extending around the bottom of 6, see figure 3) engaged with the master body. The flanges 63 inherently add strength to the member 6.

8. With respect to claim 4, Hsu discloses the inner pivot shaft (42) to have a central through hole for passage of signal wires.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following references are cited to further show the state of the art with respect to notebook and other bi-axial hinges: Wang, Hong, Novin et al, Chien et al, Lu et al, Lu et al, Tseng et al, and Tsai.

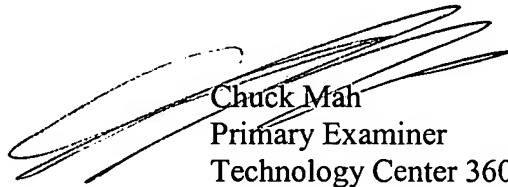
10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael J Kyle whose telephone number is 703-305-3614. The examiner can normally be reached on Monday - Friday, 8:30 am - 5:00 pm.

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11. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Swann can be reached on 703-306-4115. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

12. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

mk


Chuck Mah
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